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SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 8/27/01 This is an experimental format - Please give suggestions or comments to Jeff Harrison, CP4-9C18, 306-3429.

Date 10/3/02 Serial # 10/039336 Priority Application Date 10/29/01
 Your Name Que Le Examiner # 68493
 AU 2878 Phone 308-4830 Room 7-B28
 In what format would you like your results? Paper is the default. **PAPER** DISK EMAIL

If submitting more than one search, please prioritize in order of need.

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case? 10-03-02A11:35 PAID
 Circle: USPT DWPI EPO Abs JPO Abs IBM TDB
 Other: None

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements.
None

What types of references would you like? Please checkmark:

Primary Refs _____ Nonpatent Literature _____ Other Litigation
 Secondary Refs _____ Foreign Patents _____
 Teaching Refs _____

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Staff Use Only	Type of Search	Vendors
Searcher: _____	Structure (#) _____	STN _____
Searcher Phone: _____	Bibliographic _____	Dialog _____
Searcher Location: STIC-EIC2800, CP4-9C18	Litigation _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Fulltext _____	Lexis-Nexis _____
Date Completed: _____	Patent Family _____	WWW/Internet _____
Searcher Prep/Rev Time: _____	Other _____	Other _____
Online Time: _____		

10/3/02

To: QUE LE

Re: 10/039,336 US 5,981,940

Attached are search results.

**No U. S. litigation was found in searches of
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please
let me know.**

**Thanks,
Darcy Bates
STIC-EIC2800
306-5419
CP4-9C 18**

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) ⓘ
Terms: [patno=5981940](#) ([Edit Search](#))

08929539 () 5981940 November 9, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT
5981940

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[Link to Claims Section](#)

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November 9, 1999

Angle measuring system with a clampable shaft

REISSUE: October 29, 2001 - Reissue Application filed Ex. Gp.: 2878; Re. S.N.
10/039,336 April 23, 2002

INVENTOR: Setbacken, Robert, Santa Barbara, CA; Goeden, Richard Michael, Santa
Barbara, CA

APPL-NO: 08929539 ()

FILED-DATE: September 15, 1997

GRANTED-DATE: November 9, 1999

ASSIGNEE-AT-ISSUE: Renco Encoders, Inc., Goleta, CA

ASSIGNEE-AFTER-ISSUE: March 30, 1998 - ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE
DOCUMENT FOR DETAILS)., RENCO ENCODERS, INC. 26 COROMAR DRIVE GOLETA,
CALIFORNIA 93117,, Reel and Frame Number: 009080/0281

LEGAL-REP: Brinks Hofer Gilson & Lione

PUB-TYPE: November 9, 1999 - Utility Patent having no previously published pre-grant
publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 250#23113

US-ADDL-CL: 250#23118

SEARCH-FLD: 250##23113 , 250##23118 , 250##239 , 356##375

IPC-MAIN-CL: G 01D005#34

PRIM-EXMR: Le, Que T.

REF-CITED:

[4031441](#), 1977, United States (US)

[4652748](#), 1987, United States (US)

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pat no=5981940

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10/3/02

US 5,981,940

10/039336

Selected file: PLUSPAT

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Comprehensive Worldwide Patents database
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE
Last update of file: 2002/10/02 (YYYY/MM/DD) 2002-39/UP (basic update)

Search statement 1

?us5981940/pn

** SS 1: Results 1

Search statement 2

?prt fu legalall max

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN - US5981940 A 19991109 [US5981940]
TI - (A) Angle measuring system with a clampable shaft
PA - (A) RENCO ENCODERS INC (US)
IN - (A) SETBACKEN ROBERT (US); GOEDEN RICHARD MICHAEL (US)
AP - US92953997 19970915 [1997US-0929539]
PR - US92953997 19970915 [1997US-0929539]
IC - (A) G01D-005/34
EC - G01D-005/347C2
PCL - ORIGINAL (O) : 250231130; CROSS-REFERENCE (X) : 250231180
DT - Corresponding document
CT - US4031441; US4652748; DE3038005 A1; DE89151097
STG - (A) United States patent
AB - The angular measuring system has a hollow pick-up shaft whose end is slitted, and the slitted area has an interior thread. A screw with an exterior thread is provided for clamping the pick-up shaft in a bore of a driveshaft. The screw is turned into the pick-up shaft until it is axially supported on a detent. By further turning of the screw the thread flanks of the interior thread and of the exterior thread cause the slit end of the pick-up shaft to be spread open radially.

1/1 LGST - (C) LEGSTAT
PN - US 5981940 [US5981940]
AP - US 929539/97 19970915 [1997US-0929539]
DT - US-P
ACT - 19970915 US/AE-A
APPLICATION DATA (PATENT)
{US 929539/97 19970915 [1997US-0929539]}
- 19991109 US/A
PATENT
- 20020423 US/RF
REISSUE APPLICATION FILED
20011029
UP - 2002-18

1/1 CRXX - (C) CLAIMS/RRX
AN - 3232930
PN - 5,981,940 A 19991109 [US5981940]
PA - Renco Encoders Inc

10/3/02

US 5,981,940

10/039336

PT - E (Electrical)
ACT - 20011029 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020423
REISSUE REQUEST NUMBER: 10/039336
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2878

Reissue Patent Number:

UP - 2002-17
UACT- 2002-04-23

1/1 PAST - (C) Thomson Derwent
AN - 200217-001780
PN - 5981940 A [US5981940]
DT - A (UTILITY)
OG - 2002-04-23
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

Search statement 2

?file inpadoc

Selected file: INPADOC

You are now connected to INPADOC
Covers 1968/1973 thru weekly updates (2002-38)
For information on content, ..INFO INPD.

Search statement 1

?fam us5981940/pn

1 Patent Groups
** SS 1: Results 3

Search statement 2

?famstate nonstop

1/3 INPADOC - (C) INPADOC
PN - EP 902256 A3 20020522 [EP-902256]
TI - ANGLE MEASURING DEVICE
LA - GER
IN - SETBACKEN ROBERT [US]; GOEDEN RICHARD MICHAEL [US]
PA - HEIDENHAIN GMBH DR JOHANNES [DE]
AP - EP 98113081/98-A 19980714 [1998EP-0113081]
PR - US 929539/97-A 19970915 [1997US-0929539]
IC - G01D-005/347; F16D-001/08
DS - AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL*
PT* SE*

10/3/02

US 5,981,940

10/039336

1/1 LEGALI - (C) LEGSTAT
PN - EP 902256 [EP-902256]
AP - EP 98113081/98 19980714 [1998EP-0113081]
DT - EP-P
ACTE- 19980714 EP/AE-A
EP-APPLICATION
{EP 98113081/98 19980714 [1998EP-0113081]]
- 19990317 EP/AK-A2 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
- 19990317 EP/AX [+]
EXTENSION OF THE EUROPEAN PATENT TO
AL;LT;LV;MK;RO;SI
- 19990317 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT
- 19990818 EP/RIN1
INVENTOR (CORRECTION)
SETBACKEN, ROBERT * GOEDEN, RICHARD, MICHAEL
- 20020522 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
- 20020522 EP/AX [+]
EXTENSION OF THE EUROPEAN PATENT TO
AL;LT;LV;MK;RO;SI
- 20020522 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)
- 20020522 EP/RIC1
CLASSIFICATION (CORRECTION)
7G 01D 5/347 A, 7F 16D 1/08 B
UP - 2002-21

2/3 INPADOC - (C) INPADOC
PN - EP 902256 A2 19990317 [EP-902256]
TI - ANGLE MEASURING DEVICE
LA - GER
IN - SETBACKEN ROBERT [US]
PA - HEIDENHAIN GMBH DR JOHANNES [DE]
AP - EP 98113081/98-A 19980714 [1998EP-0113081]
PR - US 929539/97-A 19970915 [1997US-0929539]
IC - G01D-005/347
DS - AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL*
PT* SE*

1/1 LEGALI - (C) LEGSTAT
PN - EP 902256 [EP-902256]
AP - EP 98113081/98 19980714 [1998EP-0113081]
DT - EP-P
ACTE- 19980714 EP/AE-A
EP-APPLICATION
{EP 98113081/98 19980714 [1998EP-0113081]]
- 19990317 EP/AK-A2 [+]
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US 5,981,940

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AL;LT;LV;MK;RO;SI
- 20020522 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)
- 20020522 EP/RIC1
CLASSIFICATION (CORRECTION)
7G 01D 5/347 A, 7F 16D 1/08 B
UP - 2002-21

3/3 INPADOC - (C) INPADOC
PN - US 5981940 A 19991109 [US5981940]
TI - ANGLE MEASURING SYSTEM WITH A CLAMPABLE SHAFT
IN - SETBACKEN ROBERT [US]; GOEDEN RICHARD MICHAEL [US]
PA - RENCO ENCODERS INC [US]
AP - US 929539/97-A 19970915 [1997US-0929539]
PR - US 929539/97-A 19970915 [1997US-0929539]
IC - G01D-005/34

1/1 LEGALI - (C) LEGSTAT
PN - US 5981940 [US5981940]
AP - US 929539/97 19970915 [1997US-0929539]
DT - US-P
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APPLICATION DATA (PATENT)
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